

# APPLICATION

PERCOLATION TESTING

A 5/10/93

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 10-29-98

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER NATALIE C. ZIEGLER, ET ALIA. c/o J. THOMAS GARNENER

ADDRESS 8808 CENTRE PARK DR #209 PHONE (410) 964-5522  
COLUMBIA, MD. 21045

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION BENEDICT FARM LOT NO. #4

ROAD AND DESCRIPTION VIXENS PATH, HOWARD COUNTY CU-DE-GR

TAX MAP 29 PARCEL # P-28

SIZE OF LOT ± 3.1 ACRES. TYPE BLDG. SINGLE FAMILY DWELLING.  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. [Signature]  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

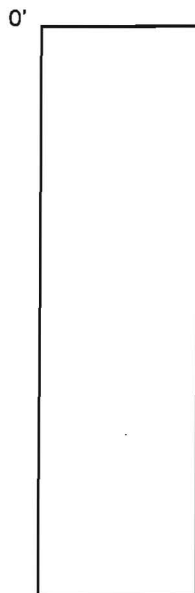
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

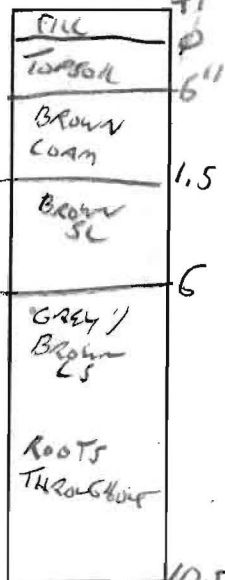
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

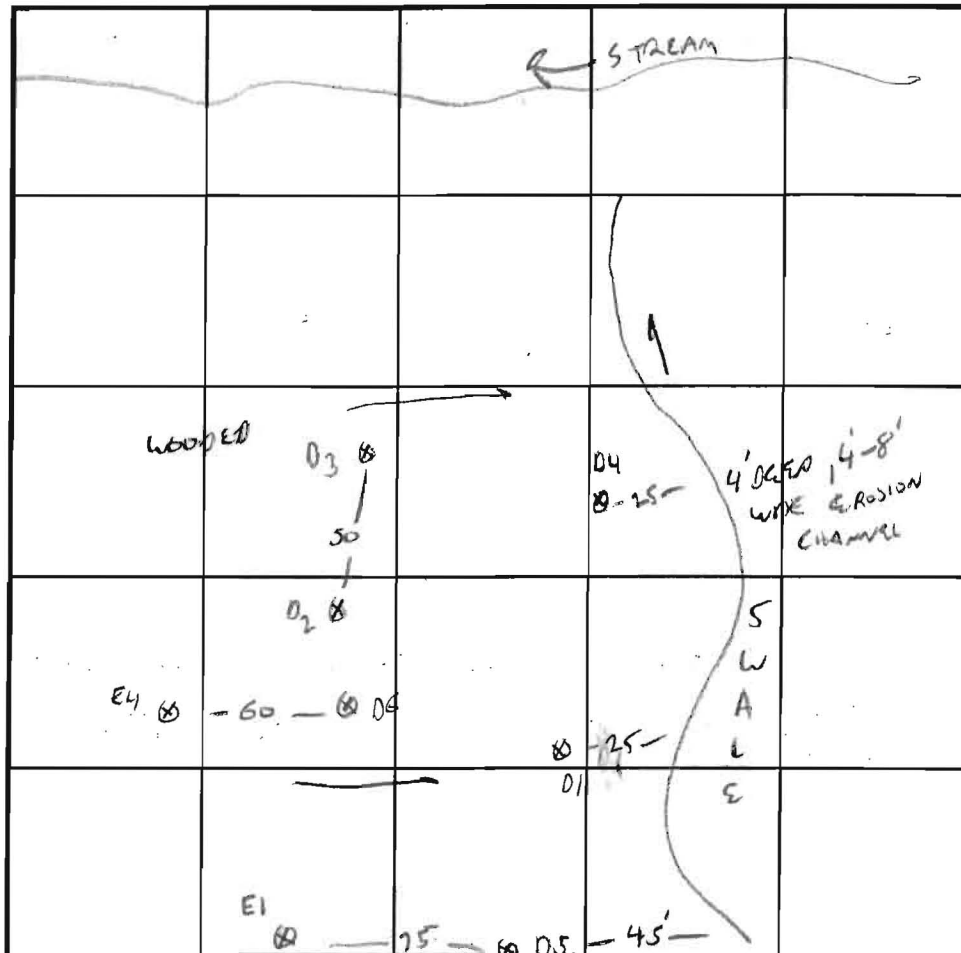
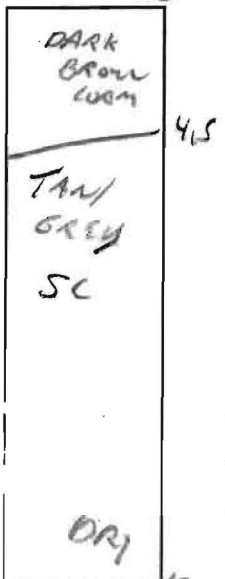
SOIL PROFILE



E 7

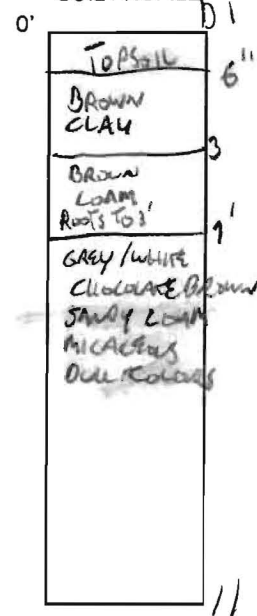


D 5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11 23 98	D2	3'	Rock				F
	D3	2' & 3'	Rock				F
	D4	NOT DUG					
HOLD X	D1	3.5 / 11	12:01	12:12	→	12:44	32 MIN HOLD
HOLD	D5	4.5 / 12	3:32	3:33	→	3:35	2 MIN
	D6	4 / 10	3:59	4:10	→	4:38	28 MIN

REMARKS LOT 4, HOLD D1 WET SEASON, EXPECT 4:20 @ 7', HOLD D5 WET SEASON

TYPE OF SOIL

TESTED BY G. SAVAGE ALSO PRESENT SCHLART, MICKY JOHNSON

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

E 4 1205

A511013  
COUNTY #

SOIL PROFILE

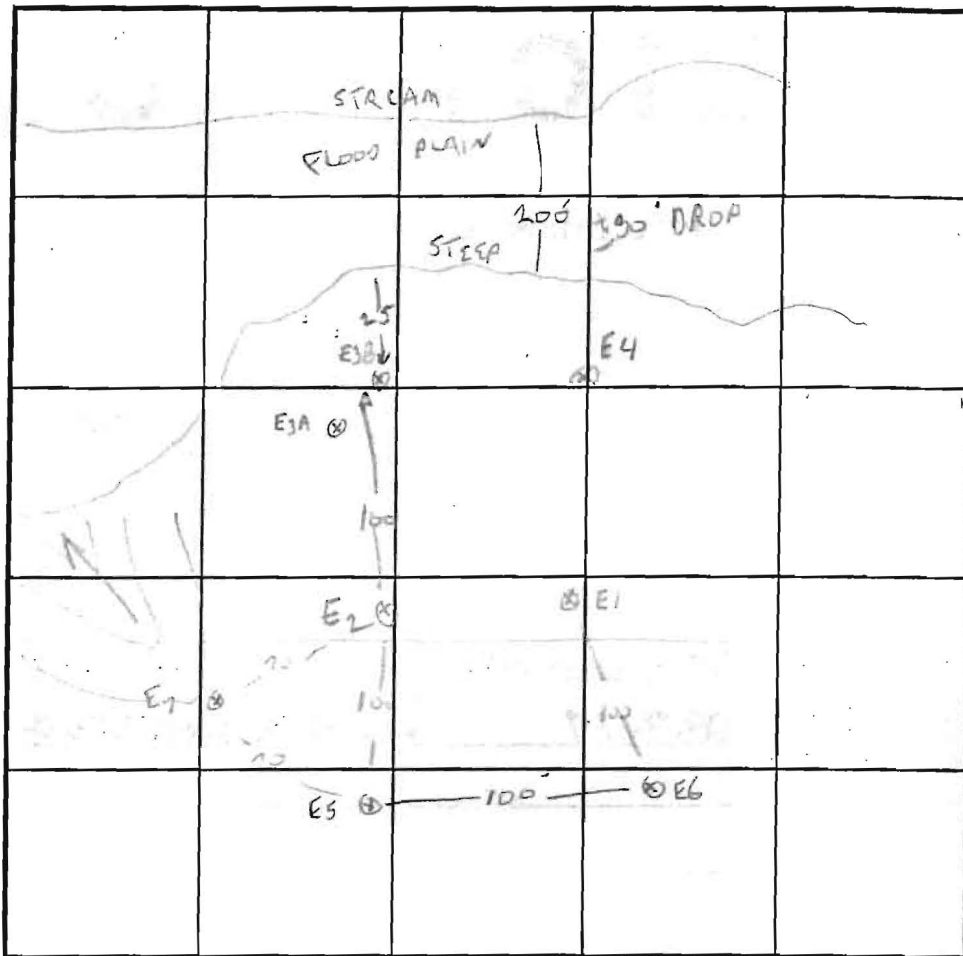
0' E5  
3" TOP SOIL  
STRONG BROWN LOAM  
2 BROWN SL /  
LOTS OF MICA  
HARD

E2

1' TOP SOIL  
STRONG BROWN LOAM  
3.5' RES TO YELLOW SIL

E2, E6

2' TOP SOIL  
STRONG BROWN LOAM  
GREY & BROWN SANDY MICA LOAM  
10% ROCK



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' E3  
1' TOP SOIL  
STRONG BROWN SANDY LOAM  
5' OLIVE MICA LOAM SL  
30% SANDSTONE  
HARD

6.5' - 8' DUG IN ABOVE  
10' BELOW

E4 DUE TO 9.5' - HARD; VERY COARSE SANDY LOAM 30% QUARTZ ROCK

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/23/98	E3A	6.5V					F REX
	E3B	9V	1:20	1:25			C
	E4	4'	11:23	11:25	→	11:25	
	E7	13.9	11:20.5	11:20	→	11:20	
	E1	4/11	11:29	11:31	→	11:36	5 MIN
	E5	2.5/81	11:29	11:43	→	11:46	3 MIN
	E6	3/11	11:40	11:43	→	11:52	9 MIN
O/K	E4	8	4:12	DIRT FILL IN HOLE	4:19	4:30	21 MIN
	E7	4.5/10.5	4:24	4:28	→	4:33	5 MIN

REMARKS LOT 5, AREA CLEARED TO EDGE OF TEST HOLES - 6"-10" TOP SOIL REMOVED

TYPE OF SOIL RETAIN STRONG & COLOURATION OF PARENT ROCK

TESTED BY G. SAVAGE ALSO PRESENT SCARVER, MIKE, MS. ZIEGLER

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

E7 EDGE OF SWALE, FILL SEE LOT 4 FOR PROFILE



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

TO: All Interested Parties

FROM: Jeff Williams  
Program Supervisor  
Well and Septic Program

RE: **Acceptable Well Site Plans for Proposed Vacant Lots and Subdivisions**

DATE: August 23, 2013

Effective immediately, well permit site plans for all proposed vacant lots and all residential subdivisions must be a copy of an 8 1/2" by 11", 1" to 30' to 1" = 100' scaled drawing of the most recently approved Health Department Percolation Certification Plan with a specific proposed well site shown. This well site must be within the approved well box (1500 sq. ft.) or identified as one of three distinct proposed well sites. This plan must have accurate topography.

If a larger scale plan is needed because of a large lot size or other specific reasons, submit a written request for the deviation to the Well & Septic Program.

Be advised that a well site must be professionally staked and is subject to review by the Health Department prior to issuance of the well construction permit.

**Two copies of this well site plan and the attached paperwork must be submitted for each proposed lot.**

irrigation well  
mess  
8/12/13

HOWARD COUNTY DEPARTMENT OF HEALTH

BUREAU OF ENVIRONMENTAL HEALTH

ADMINISTRATIVE POLICY AND PROCEDURE

1.0 PURPOSE:

Establish a procedure to define if wells may be retained at the time a property is connected to public water and how the individual water supply system is designed to prevent cross connection.

2.0 POLICY:

It is the policy of the Howard County Health Department to prevent cross connections between non-potable wells and the public water system.

3.0 AUTHORITY:

*Howard County Code Sec. 3.906, - Cross connection prohibited.*

*There shall not be cross connection between an individual water supply system and other individual or public water supply systems.*

*Howard County Code Sec. 3.908, - Connection to public water system required.*

*(a) Public Water Connection. Except for property located outside the planned service area for water service and the Metropolitan District, wherever a water main for public use exists in any street or alley and directly abuts the property, the owner of all buildings constructed for human habitation, occupancy, or use shall connect to the public water main.*

*(b) Wells Prohibited. A well for potable use shall not be constructed on a property accessible to an adequate public water supply.*

*COMAR 26.03.01.05 Individual Water Supply and Individual Sewerage Systems.*

*The installation of individual water supply or individual sewerage systems shall be subject to the following requirements:*

*A. An individual water supply or individual sewerage system may not be permitted to be installed where an adequate community water or sewerage facility is available. If an existing community water or sewerage facility is inadequate or is not available, an interim individual water and sewerage system may be used as set forth in §B(1), (2), and (3), of this regulation.*

*Howard County Plan for Water and Sewerage 2011 Amendment (page 1-18) or future amendments Within the Planned Service Area, regardless of when an "adequate community water and/or sewer system will be available, if the minimum lot size is three (3) acres a developer may utilize permanent on-site water supply and individual sewer systems.*

4.0 DEFINITIONS:

Community water supply system means a source of water and a distribution system, including treatment and storage facilities, whether publicly or privately owned, serving two or more individual lots.

Individual water supply system means a single system of pipes, pumps, and tanks using a system of groundwater to supply only a single lot. An individual potable water supply system does not include a public community or nontransient, noncommunity water supply.

Well means any hole made in the ground to explore for ground water, to obtain or monitor ground water, or to inject water into any underground formation from which ground water may be produced.

#### 5.0 PROCEDURE:

Wells may not be maintained as a potable individual water supply if the property is served by public water.

Wells may not be drilled within the Metropolitan District unless used for dewatering, cooling, heating or for monitoring groundwater unless public water is not adequate and available as determined by the Howard County Department of Public works or the lot size is three (3) acres or greater. Special cases such as hospitals, golf courses, nurseries, construction sites, farms, etc. shall be reviewed on a case by case basis.

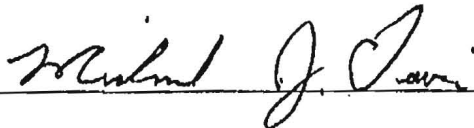
Wells may be maintained as a non-potable individual water supply system in the Metropolitan District if all of following criteria are met.

1. The well meets all pertinent setbacks and current construction standards.
2. The well does not interfere with any sewage disposal areas on or off of the property.
3. The well meets bacteria standards.
- \* 4. There must be a physical break between the public water supply and the piping for the well. Valves are unacceptable as a physical break.
- \* 5. No building may have an indoor faucet connected to the well. All faucets must be on the exterior and outside the buildings. Any other location must be approved by the Health Department.
- \* 6. The visible water lines for the well must be painted red. All visible water lines for the well and other components of the individual water supply system must be clearly labeled non-potable.
- \* 7. The well is not located in an area with groundwater contamination.
- \* 8. The well must be mapped by the Health Department.

Wells not meeting these conditions shall be properly abandoned by a licensed well driller in accordance with COMAR 26.04.04.11. If a well that meets these conditions enters a state of disrepair, becomes contaminated, or is disconnected it shall be properly abandoned by a licensed well driller in accordance with COMAR 26.04.04.11. A permit for a replacement well shall be denied.

#### 6.0 EFFECTIVE DATE:

The effective date of this administrative policy and procedure is March 16, 2012.

 3/16/12

Michael J. Davis  
Assistant Director  
Bureau of Environmental Health

date